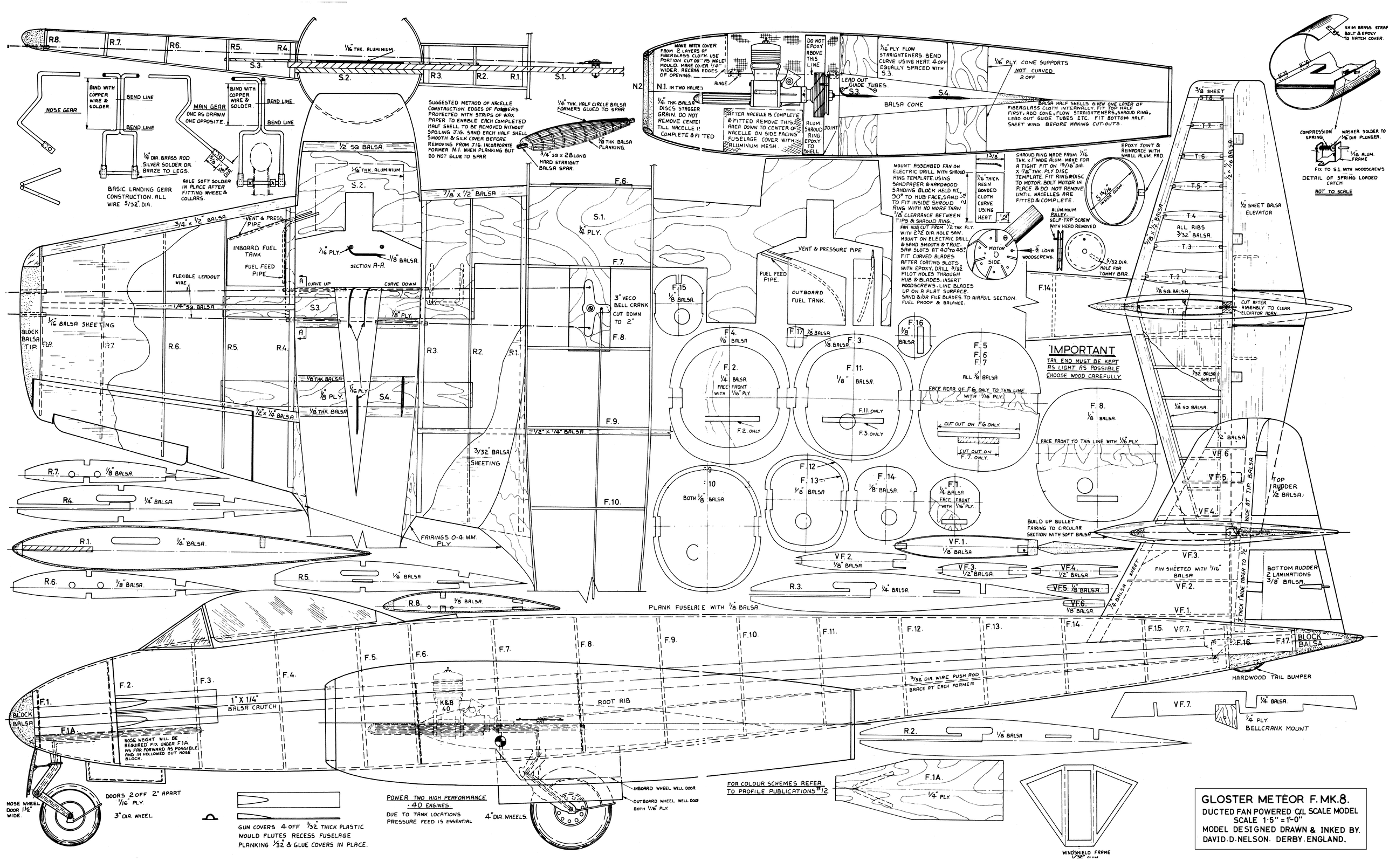
NOSE GEAR
BIND WITH COPPER WIRE & SOLDER.
BEND LINE
1/4" DIA BRASS ROD SILVER SOLDER OR BRAZE TO LEGS.
BASIC LANDING GEAR CONSTRUCTION. ALL WIRE 5/32" DIA.
MAIN GEAR ONE AS DRAWN ONE OPPOSITE.
AXLE SOFT SOLDER IN PLACE AFTER FITTING WHEEL & COLLARS.
1/16" THK. ALUMINIUM.
SUGGESTED METHOD OF NACELLE CONSTRUCTION. EDGES OF FORMERS PROTECTED WITH STRIPS OF WAX PAPER TO ENABLE EACH COMPLETED HALF SHELL TO BE REMOVED WITHOUT SPOILING JIG. SAND EACH HALF SHELL SMOOTH & SILK COVER BEFORE REMOVING FROM JIG. INCORRORATE FORMER N.1 WHEN PLANKING BUT DO NOT GLUE TO SPAR
1/4" THK. HALF CIRCLE BALSA FORMERS GLUED TO SPAR
1/8 THK. BALSA PLANKING.
3/4" SQ x 28 LONG HARD STRAIGHT BALSA SPAR.
MAKE HATCH COVER FROM 2 LAYERS OF FIBERGLASS CLOTH. USE PORTION CUT OUT AS MALE MOULD. MAKE COVER 1/4" WIDER. RECESS EDGES OF OPENING.
HINGE
N.1. IN TWO HALVES
1/4" THK. BALSA DISCS STAGGER GRAIN. DO NOT REMOVE CENTERTIL. NACELLE IS COMPLETE & FITTED
AFTER NACELLE IS COMPLETE & FITTED. REMOVE THIS AREA DOWN TO CENTER OF NACELLE ON SIDE FACING FUSELAGE. COVER WITH ALUMINIUM MESH.
DO NOT EPOXY ABOVE THIS LINE
ALUM. SHROUD RING EPOXY TO SHELL
JOINT
LEAD OUT GUIDE TUBES.
1/16" PLY FLOW STRAIGHTENERS. BEND CURVE USING HEAT. 4 OFF EQUALLY SPACED WITH S.3.
1/16" PLY. CONE SUPPORTS NOT CURVED 2 OFF
BALSA CONE
BALSA HALF SHELLS GIVEN ONE LAYER OF FIBERGLASS CLOTH INTERNALLY. FIT TOP HALF FIRST, ADD CONE, FLOW STRAIGHTENERS, SHROUD RING, LEAD OUT GUIDE TUBES ETC. FIT BOTTOM HALF. SHEET WING BEFORE MAKING CUT-OUTS.
SHIM BRASS STRAP BOLT & EPOXY TO HATCH COVER.
COMPRESSION SPRING
WASHER SOLDER TO 1/8 DIA PLUNGER.
1/16 ALUM. FRAME
FIX TO S.1. WITH WOODSCREWS
DETAIL OF SPRING LOADED CATCH
NOT TO SCALE
MOUNT ASSEMBED FAN ON ELECTRIC DRILL WITH SHROUD RING TEMPLATE. USING SANDPAPER & HARDWOOD SANDING BLOCK HELD AT 90° TO HUB FACE, SAND SHROUD RING TO FIT INSIDE SHROUD WITH NO MORE THAN 1/8" CLEARANCE BETWEEN TIPS & SHROUD RING.
FAN HUB CUT FROM 1/2" THK PLY. WITH 2 1/2" DIA HOLE SAW. MOUNT ON ELECTRIC DRILL & SAND SMOOTH & TRUE. SAW SLOTS AT 40° TO 45° FIT CURVED BLADES. AFTER CORTING SLOTS WITH EPOXY. DRILL 3/32 PILOT HOLES THROUGH HUB & BLADES. INSERT WOODSCREWS. LINE BLADES UP ON A FLAT SURFACE. SAND &/OR FILE BLADES TO AIRFOIL SECTION. FUEL PROOF & BALANCE.
1/16" THICK RESIN BONDED CLOTH CURVE USING HEAT
SHROUD RING MADE FROM 1/16 THK. x 1" WIDE ALUM. MAKE FOR A TIGHT FIT ON 15/16" DIA. X 1/8" THK. PLY DISC TEMPLATE. FIT RING & DISC TO MOTOR. BOLT MOTOR IN PLACE & DO NOT REMOVE UNTIL NACELLES ARE FITTED & COMPLETE.
EPOXY JOINT & REINFORCE WITH SMALL ALUM. PAD.
ALUMINIUM PULLEY.
SELF TAP SCREW WITH HEAD REMOVED
1/2" LONG WOODSCREWS.
5/32 DIA. HOLE FOR TOMMY BAR.
MOTOR SIDE
IMPORTANT
TAIL END MUST BE KEPT AS LIGHT AS POSSIBLE
CHOOSE WOOD CAREFULLY
CUT AFTER ASSEMBLY TO CLEAR ELEVATOR HORN.
1/2" SHEET BALSA ELEVATOR
ALL RIBS 3/32" BALSA.
1/32 BALSA SHEET
TOP RUDDER 1/2 BALSA.
BOTTOM RUDDER 2 LAMINATIONS 3/8" BALSA
FIN SHEETED WITH 1/16" BALSA
BUILD UP BULLET FAIRING TO CIRCULAR SECTION WITH SOFT BALSA
FACE FRONT TO THIS LINE WITH 1/16" PLY.
CUT OUT ON F.7. ONLY.
CUT OUT ON F.6 ONLY.
FACE REAR OF F.6 ONLY TO THIS LINE WITH 1/16" PLY.
BLOCK BALSA
HARDWOOD TAIL BUMPER
1/4" PLY. BELLCRANK MOUNT
3/32" DIA. WIRE PUSH ROD BRACE AT EACH FORMER
ROOT RIB
1" X 1/4" BALSA CRUTCH
K&B 40
PLANK FUSELAGE WITH 1/8" BALSA.
NOSE WEIGHT WILL BE REQUIRED. FIX UNDER F.1A AS FAR FORWARD AS POSSIBLE AND IN HOLLOWED OUT NOSE BLOCK.
NOSE WHEEL DOOR 1 1/2" WIDE.
DOORS 2 OFF 2" APART 1/16 PLY.
3" DIA. WHEEL
GUN COVERS 4 OFF 1/32" THICK PLASTIC MOULD FLUTES RECESS FUSELAGE PLANKING 1/32" & GLUE COVERS IN PLACE.
POWER TWO HIGH PERFORMANCE .40 ENGINES.
DUE TO TANK LOCATIONS PRESSURE FEED IS ESSENTIAL
4" DIA. WHEELS.
INBOARD WHEEL WELL DOOR
OUTBOARD WHEEL WELL DOOR BOTH 1/16" PLY.
FOR COLOUR SCHEMES REFER TO PROFILE PUBLICATIONS #12
WINDSHIELD FRAME
GLOSTER METEOR F.MK.8.
DUCTED FAN POWERED C/L SCALE MODEL
SCALE 1·5" = 1'-0"
MODEL DESIGNED DRAWN & INKED BY.
DAVID.D.NELSON. DERBY.ENGLAND.